

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
P-4498D1

In Re Application Of: **P. ALCHAS**

Serial No.

Filing Date

Examiner

Group Art Unit

Title: **INTRADERMAL DELIVERY DEVICE INCLUDING A NEEDLE ASSEMBLY**

JC936 U.S. PTO  
09/825017  
04/03/01

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

**OR**

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
P-4498D1

In Re Application Of: P. ALCHAS

Serial No.

Filing Date

Examiner

Group Art Unit

Title: INTRADERMAL DELIVERY DEVICE INCLUDING A NEEDLE ASSEMBLY

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 02-1666 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

on \_\_\_\_\_  
(Date)

Signature

Typed or Printed Name of Person Signing Certificate

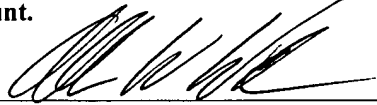
**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

\*This certificate may only be used if paying by deposit account.



Signature

Dated: April 3, 2001

Allen W. Wark, Reg. No. 30,503  
Becton, Dickinson and Company  
1 Becton Drive  
Franklin Lakes, NJ 07417-1880  
(201)847-7115

Express Mail EL416966450US

CC:

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

P-4498D1

SERIAL NO.

ALCHAS

FILING

GROUP

U.S. PTO  
09/18/2017

01/03/01

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|----------|-------------------|-------|----------|-------------------------------|
|                      | 1,934,046       | 11/7/33  | DEMARCHI          | 128   | 215      | 3/24/32                       |
|                      | 2,876,770       | 3/10/59  | WHITE             | 128   | 215      | 10/10/55                      |
|                      | 3,400,715       | 9/10/68  | PEDERSON          | 128   | 215      | 1/4/66                        |
|                      | 4,769,003       | 9/6/88   | STAMLER           | 604   | 39       | 8/19/87                       |
|                      | 4,898,588       | 2/6/90   | ROBERTS           | 604   | 187      | 10/17/88                      |
|                      | 4,978,344       | 12/18/90 | DOMBROWSKI ET AL. | 604   | 198      | 12/27/88                      |
|                      | 5,578,014       | 11/26/96 | EREZ ET AL.       | 604   | 192      |                               |
|                      | 5,921,963       | 7/13/99  | EREZ ET AL.       | 604   | 192      | 8/26/96                       |
|                      | 6,200,291 B1    | 3/13/01  | DI PIETRO         | 604   | 117      |                               |
|                      | 5,190,521       | 3/2/93   | HUBBARD ET AL.    | 604   | 51       |                               |
|                      | 4,373,526       | 3/15/83  | KING              | 604   | 117      |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  | FR 612 401 A1   |      | FRANCE  |       |          |             | ✓  |
|  | WO 95/01198     |      | PCT     |       |          | ✓           |    |
|  | WO 99/27986     |      | PCT     |       |          |             | ✓  |
|  | WO 99/34850     |      | PCT     |       |          | ✓           |    |
|  | EP 0 904 790 A2 |      | EPO     |       |          | ✓           |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |                                                                                                |
|--|--|------------------------------------------------------------------------------------------------|
|  |  | Article: DERMAL IMMUNE SYSTEM by Brian J. Nickoloff, MD, PhD                                   |
|  |  | Article: TRIALS OF INTRADERMAL HEPATITIS B VACCINES IN GAMBIAN CHILDREN by Whittle, Lam, Ryder |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

P-4498D1

SERIAL NO.

ALCHAS

FILING

GROUP



## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
|                      | 5,873,856       | 2/23/99  | HJERTMAN ET AL. | 604   | 117      |                               |
|                      | 5,417,662       | 5/23/95  | HJERMAN ET AL.  | 604   | 117      |                               |
|                      | 4,883,573       | 11/28/89 | THOMAS          |       |          |                               |
|                      | 4,955,871       | 9/11/90  | THOMAS          |       |          |                               |
|                      | 5,222,949       | 6/29/93  | KALDANY         |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |
|                      |                 |          |                 |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE   | COUNTRY        | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|--------|----------------|-------|----------|-------------|----|
|  |                 |        |                |       |          | YES         | NO |
|  | GB 2 206 794 A  |        | UNITED KINGDOM |       |          |             |    |
|  | DE 41 27 887 C1 |        | GERMANY        |       |          |             | ✓  |
|  | 2000-37456      | 2/8/00 | JAPAN          |       |          |             |    |
|  |                 |        |                |       |          |             |    |
|  |                 |        |                |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |                                                                                     |
|--|--|-------------------------------------------------------------------------------------|
|  |  | Article: INJECTION TECHNIQUE INTRADERMAL                                            |
|  |  | Article: THE DENDRITIC CELL SYSTEM AND ITS ROLE IN IMMUNOGENICITY by Ralph Steinman |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# **INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY DOCKET NO.

P-4498D1

SERIAL NO.

ALCHAS

FILING

GROUP

U.S. PTO

09/825017



04/03/01

## **U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|------|------|-------|----------|-------------------------------|
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |

## **FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |  |  |                                                                                                                                              |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  | Article: INTRADERMAL GENE IMMUNIZATION: THE POSSIBLE ROLE OF DNA UPTAKE IN THE INDUCTION OF CELLULAR IMMUNITY TO VIRUSES by: Eyal Raz et al. |
|  |  |  | Article: CLINICAL DO's & DON'TS - GIVING INTRADERMAL INJECTIONS by Edwina Mcconnell, RN, PhD                                                 |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

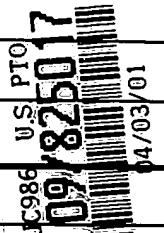
ATTY DOCKET NO.  
P-4498D1

SERIAL NO.

ALCHAS

FILING

GROUP



## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|------|------|-------|----------|-------------------------------|
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |
|                      |                 |      |      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |                                                                                                                                                                           |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | Article: MONOGRAPHS OF THE PHYSIOLOGICAL SOCIETY NO. 12: SUBSTANCES PRODUCING PAIN AND ITCH<br>by C. A. Keele and D. Armstrong Pub: The Williams & Wilkins Company (1964) |
|  |  |                                                                                                                                                                           |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.